Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/15/2020 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125390	0	1.77	125417	1.78
Blue	F	SSC	125000	123866	-1	1.60	124561	1.57
Blue	E	FITC	15892	15483	-3	2.75	336	20.73
Blue	D	PE	29999	29662	-2	1.88	647	15.02
Blue	B	PerCP-Cy5-5	43732	43215	-2	3.66	1163	20.56
Blue	A	PE-Cy7	30845	30626	-1	6.13	583	41.69
Red	C	APC	46112	45072	-3	2.50	1590	11.99
Red	A	APC-Cy7	30458	29590	-3	2.39	782	11.75
Violet	B	V450	7918	7567	-5	4.60	433	12.98
Violet	A	V500	32171	31014	-4	4.39	726	10.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17424	8.89	627	6	N/A	N/A	Pass
Blue	F	SSC	57010	1.16	566	7	N/A	N/A	Pass
Blue	E	FITC	61	62.06	546	3	0.0175	35	Pass
Blue	D	PE	135	48.38	553	5	0.1408	199	Pass
Blue	B	PerCP-Cy5-5	214	49.42	658	2	0.0088	27	Pass
Blue	A	PE-Cy7	108	101.44	701	3	0.0104	10	Pass
Red	C	APC	380	24.63	587	3	0.0249	117	Pass
Red	A	APC-Cy7	173	28.05	558	2	0.0058	886	Pass
Violet	B	V450	65	56.16	458	0	0.0475	1592	Pass
Violet	A	V500	107	31.57	474	0	0.0253	597	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.59	-32.74	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.21	13.60 - 20.40	N/A	N/A	29.81	30.65	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9835

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments